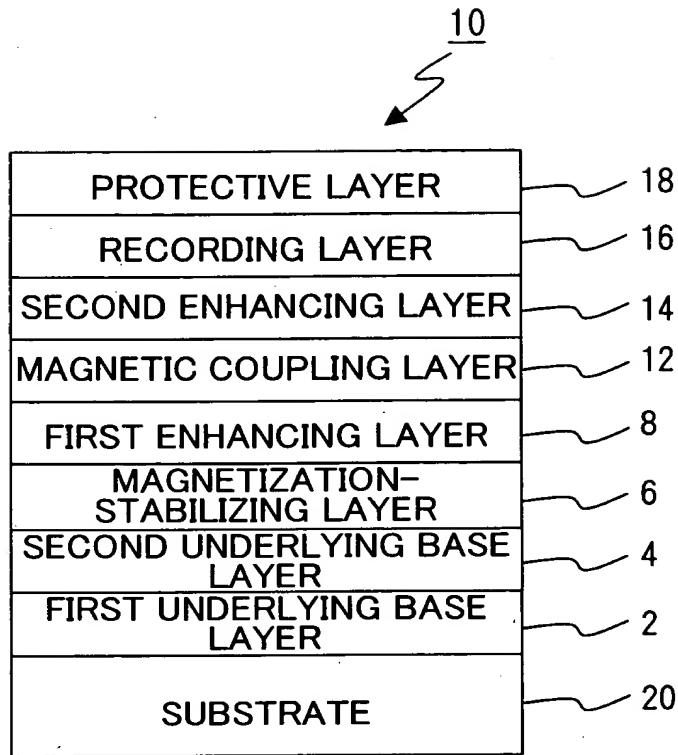


**Fig. 1**



**Fig. 2**

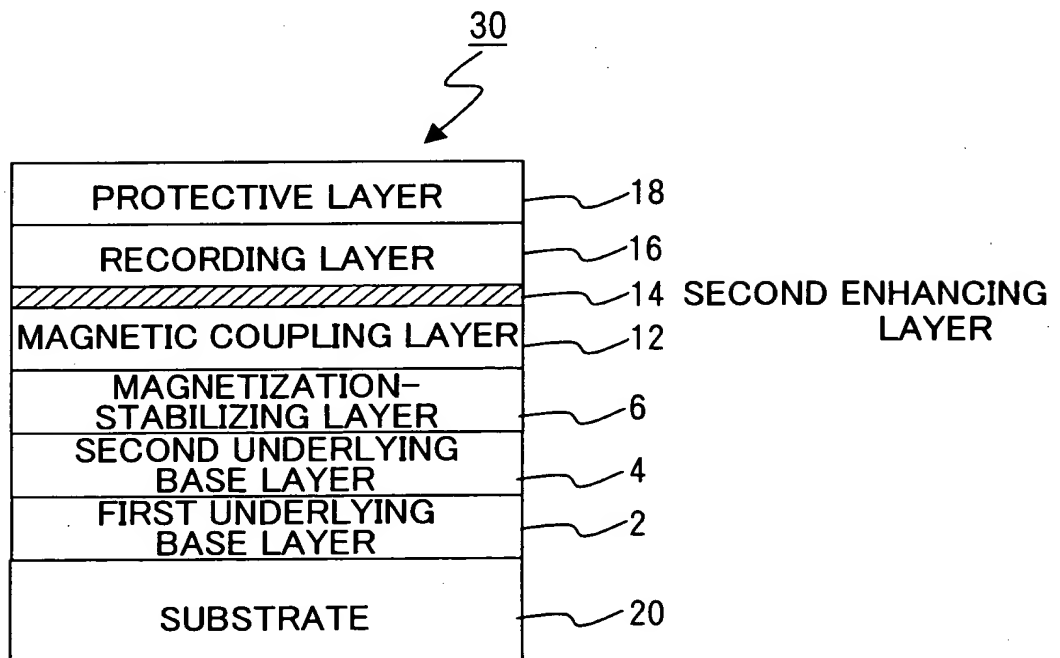


Fig. 3

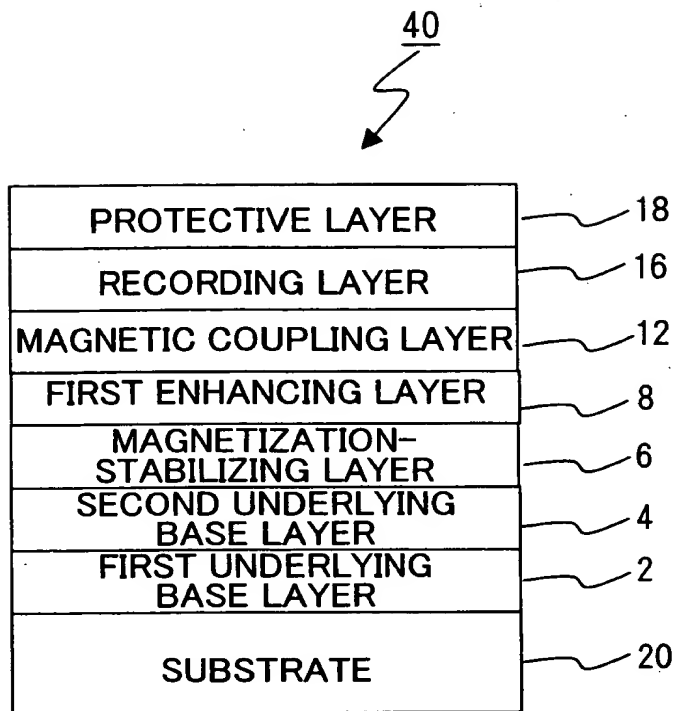
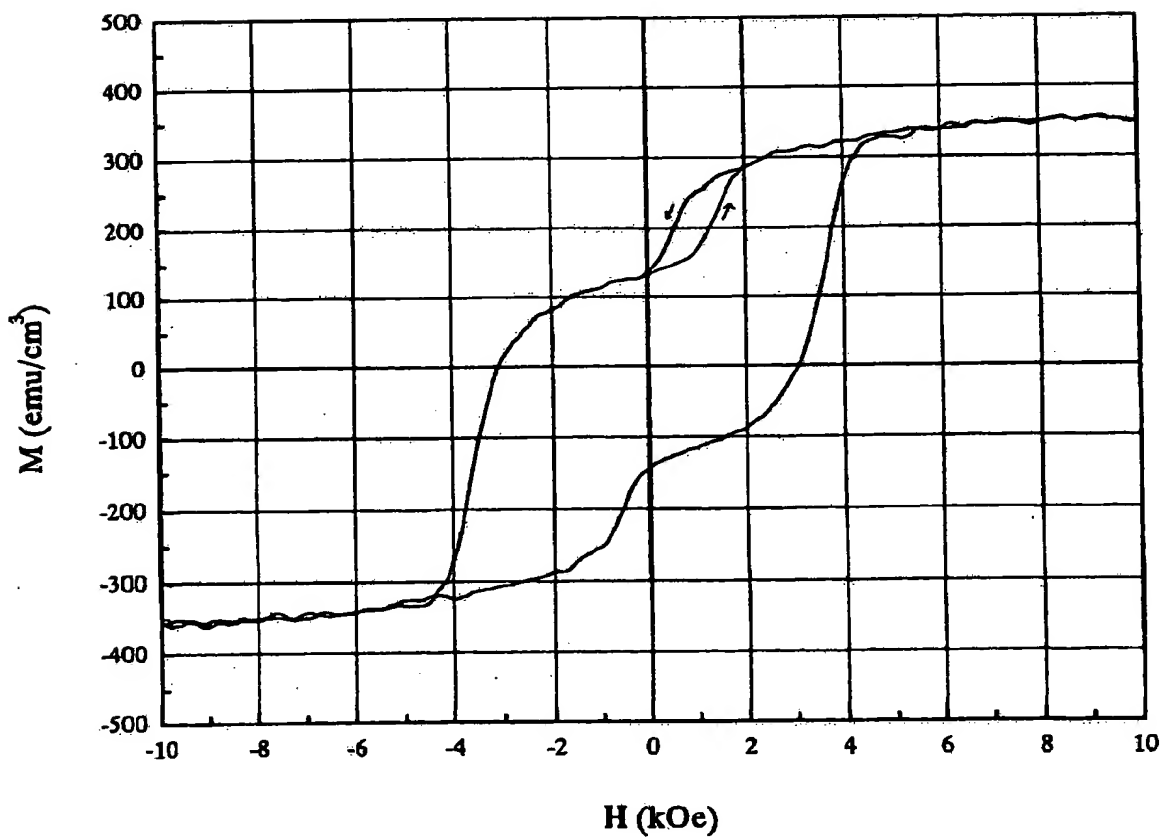
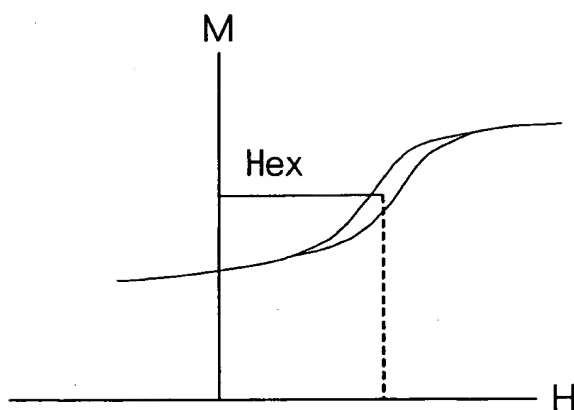


Fig. 4

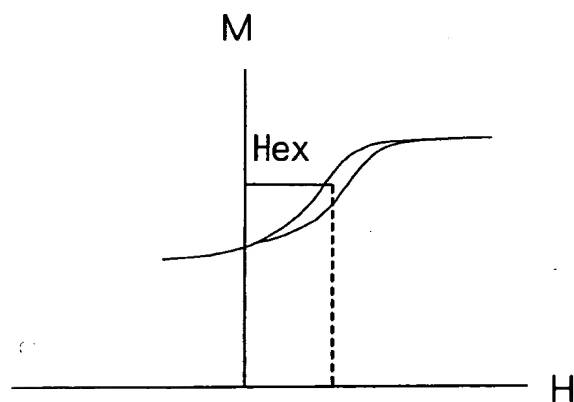


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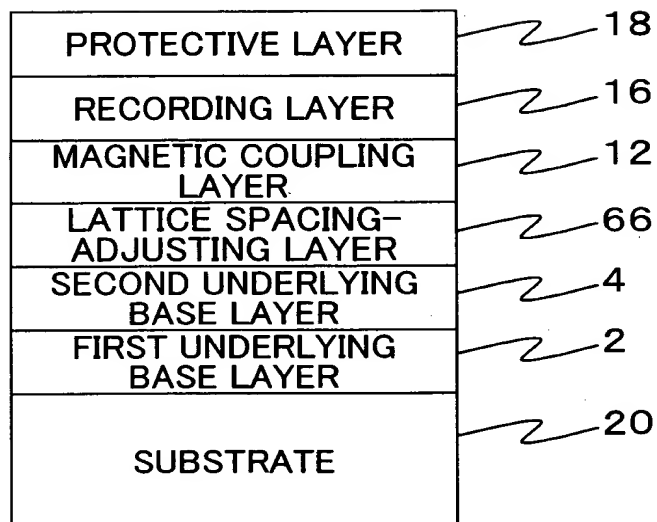
**Fig. 5A**



**Fig. 5B**



**Fig. 6**



**Fig. 7**

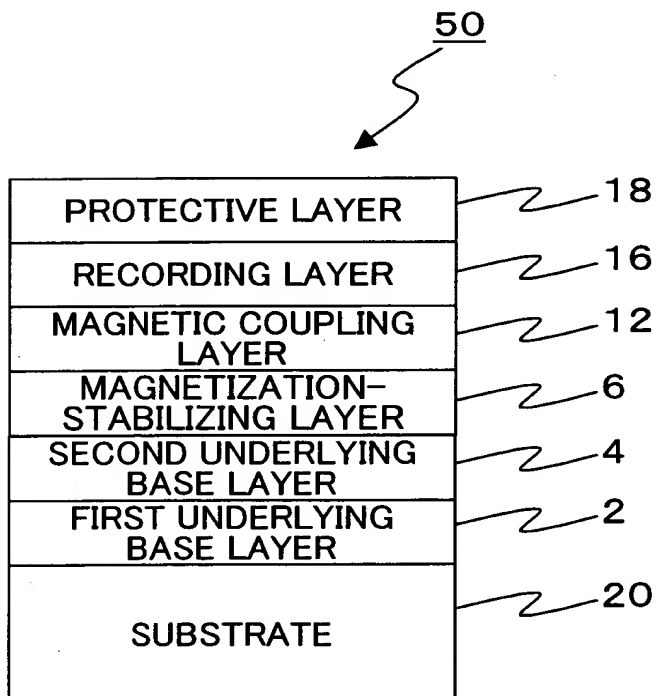


Fig. 8

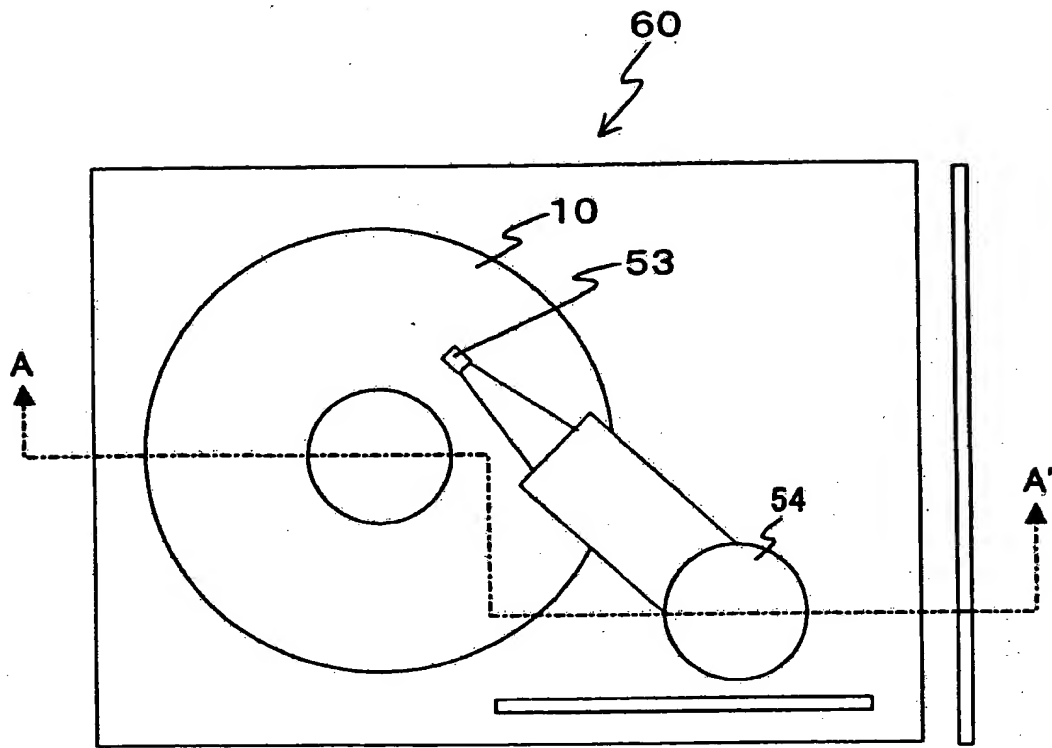


Fig. 9

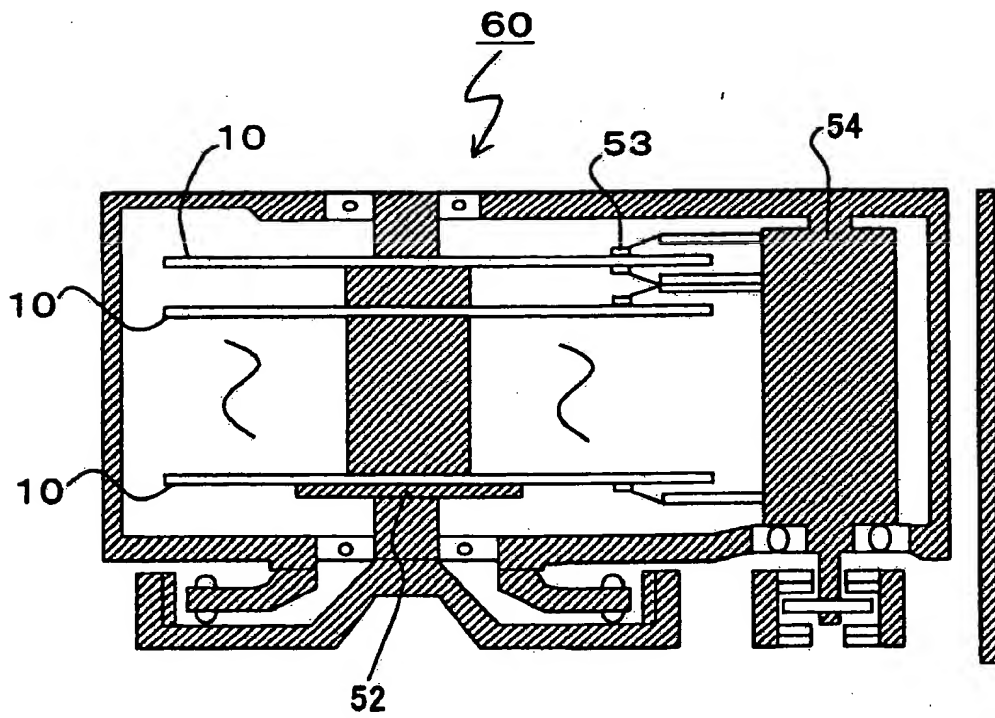
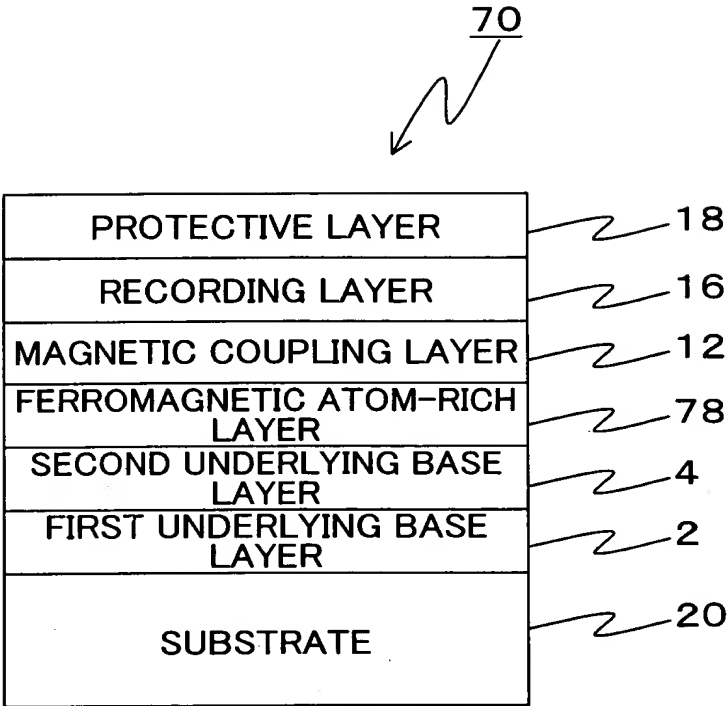
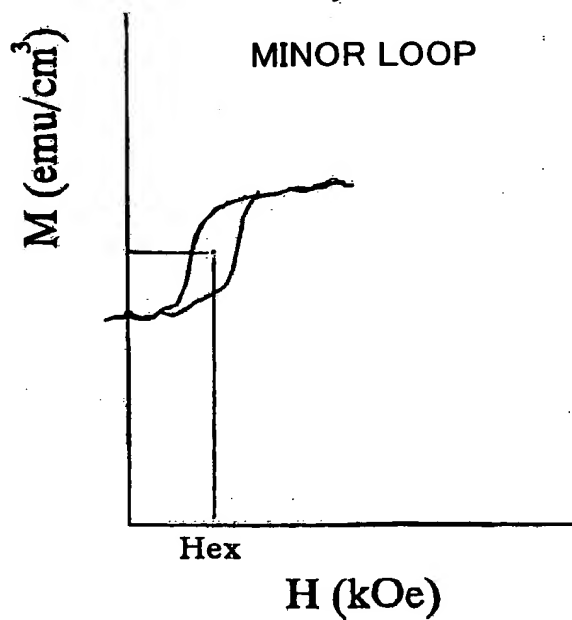
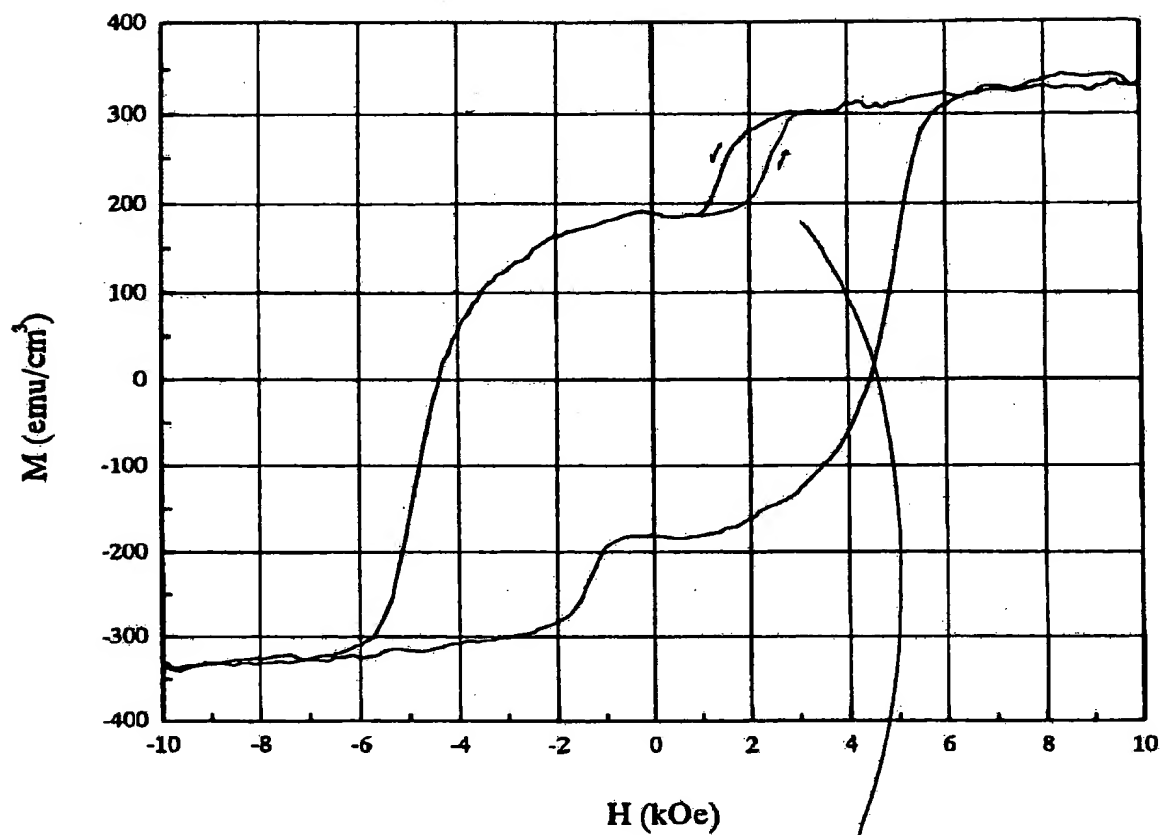


Fig. 10



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Fig. 11



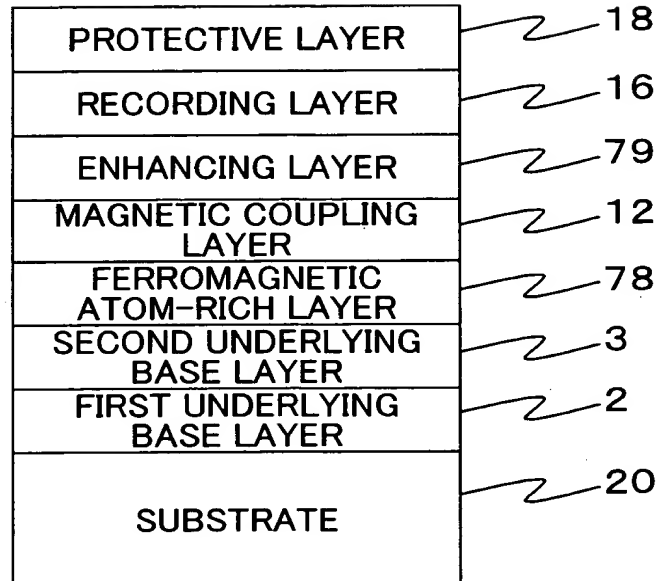
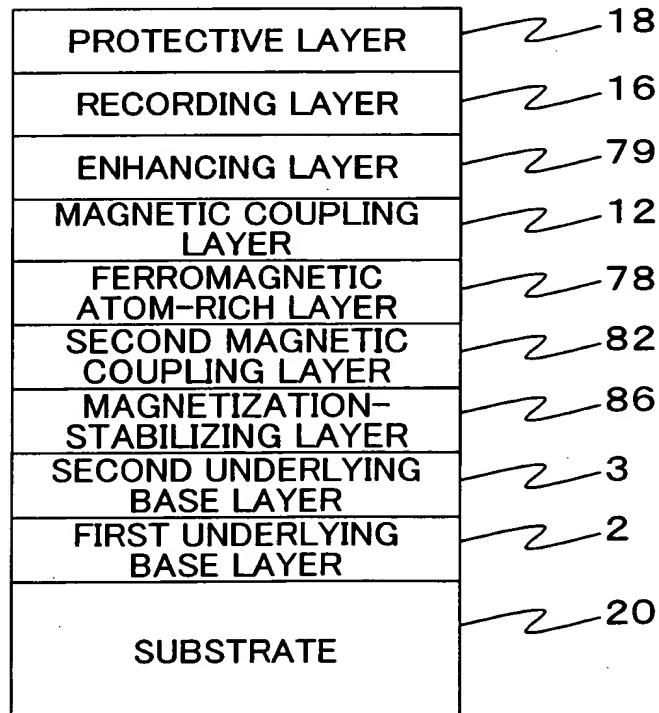
**Fig. 12****Fig. 13**



Fig. 14

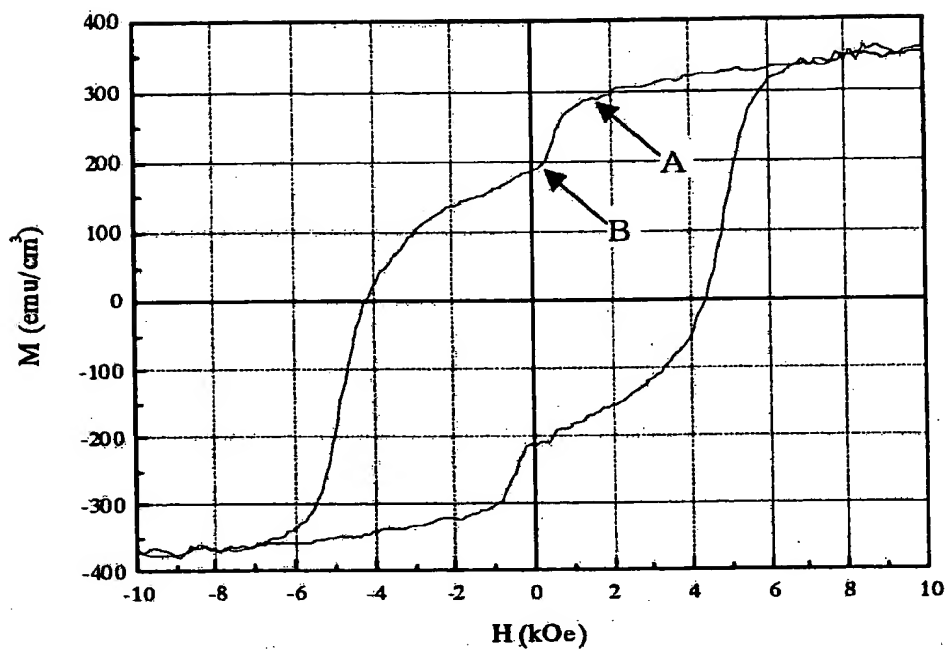


Fig. 15

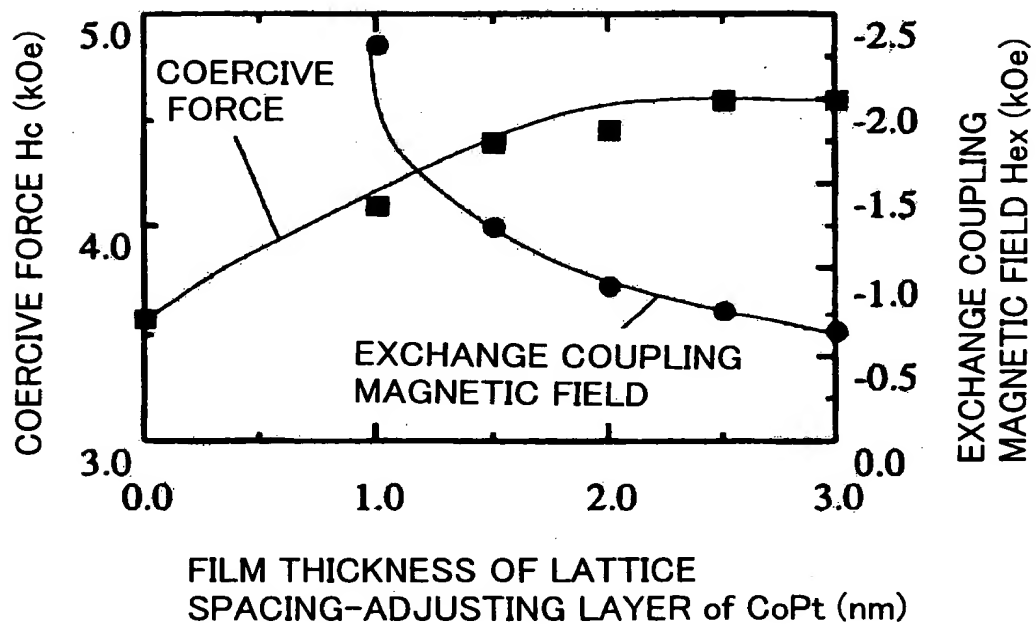
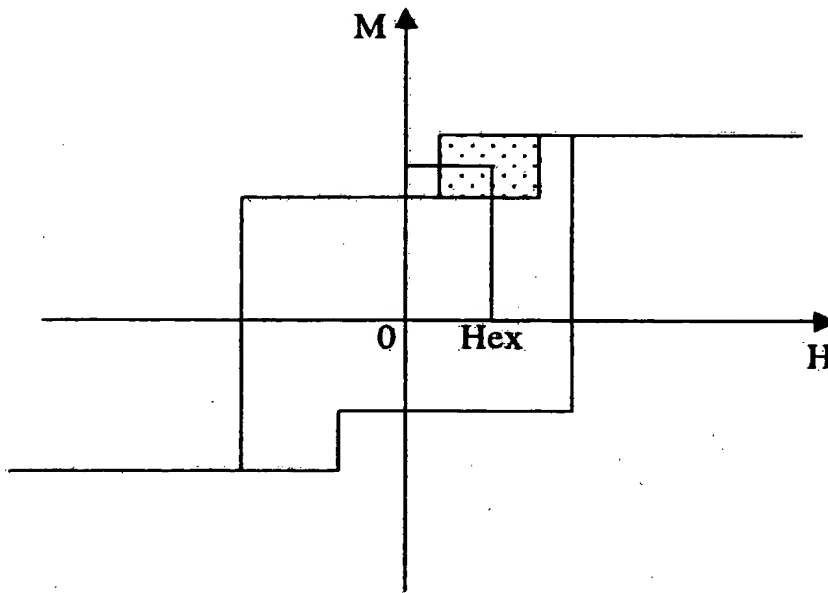


Fig. 16



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Fig. 17A

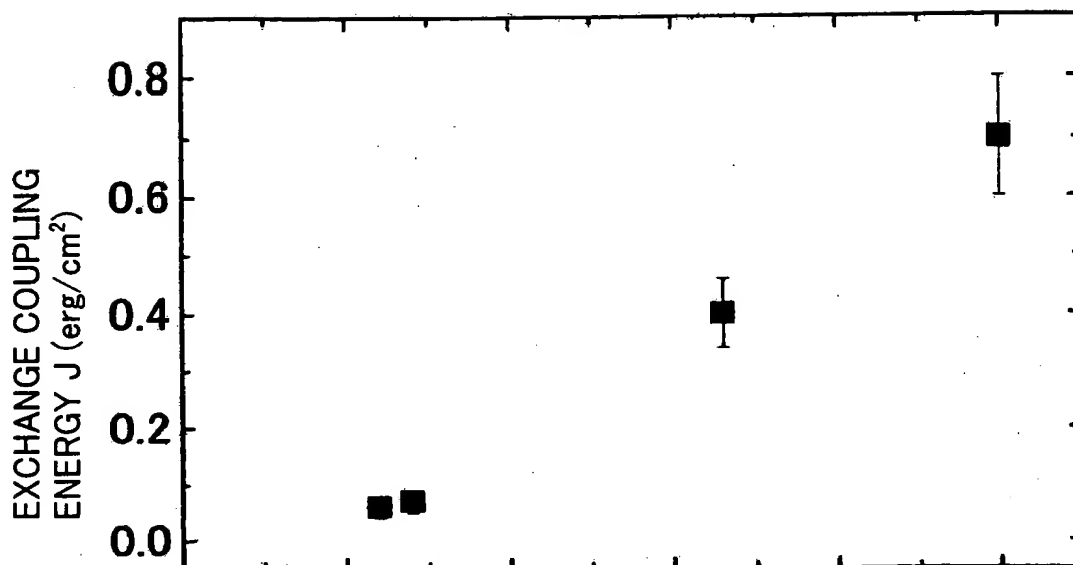
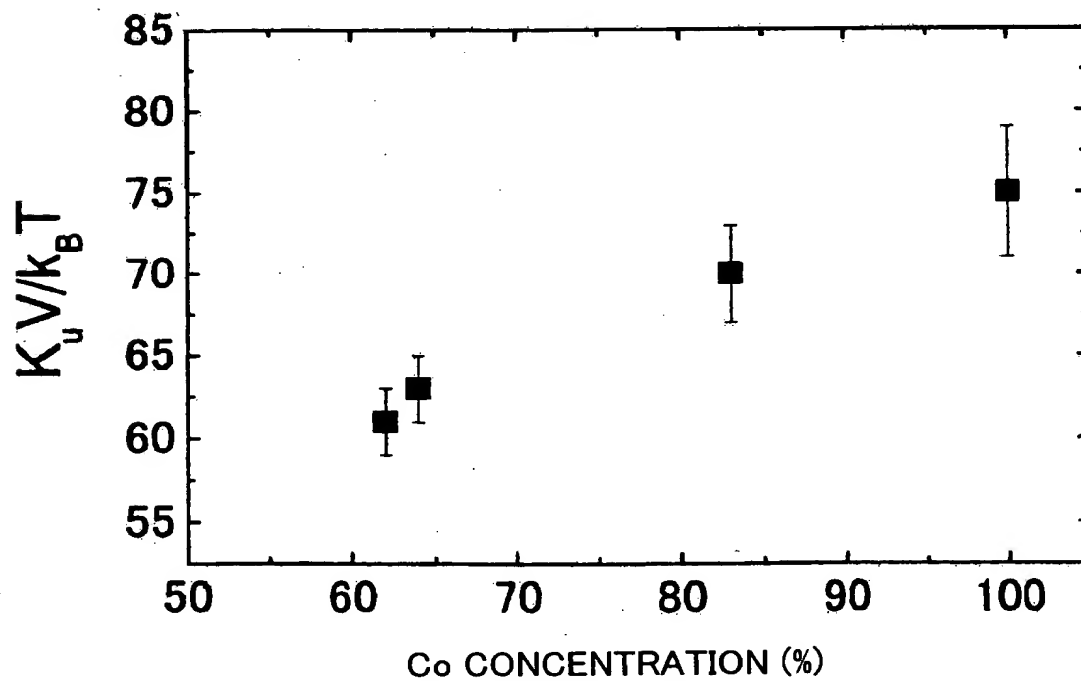


Fig. 17B



**Fig. 18**

PROTECTIVE LAYER
MAGNETIC RECORDING LAYER
MAGNETIC COUPLING LAYER (Ru)
MAGNETIZATION- STABILIZING LAYER
UNDERLYING BASE LAYER
SUBSTRATE

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